

The documentation and process conversion measures necessary to comply with this amendment shall be completed by 11 March 1993

INCH POUND

MIL-S-19500/440A(ER)
Amendment 1
11 January 1993

MILITARY SPECIFICATION

SEMICONDUCTOR DEVICE, TRANSISTOR, NPN, SILICON, POWER
TYPE 2N5927 JANTX AND JANTXV

This amendment forms a part of MIL-S-19500/440A(ER), dated 10 June 1991 and is approved for use by the Department of the Army and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 3

FIGURE 1, view A: Delete ".425/.350" and substitute ".435/.350".

PAGE 5

4.3.2e, delete "2131" and substitute "3131".

PAGE 6

TABLE I, subgroup 3, conditions column: Add "15 devices, c = 0."

PAGE 7

TABLE I, subgroup 4, conditions column: Add "15 devices, c = 0."

TABLE I, subgroup 5, conditions column: Add "11 devices, c = 0."

PAGE 9

TABLE II, subgroup 3, steady-state operation life, conditions column: Delete "340 hours" and substitute "168 hours".

TABLE II, subgroup 4, bond strength, conditions column: Delete "leads" and substitute "bond wires".

TABLE II, subgroup 5, inspection column, add "(for qualification only)".

TABLE II, subgroup 6, high temperature operation life, conditions column: Add "168 hours".

PAGE 11

TABLE III, subgroup 2, thermal shock, (glass strain), conditions column: Delete "Condition B" and substitute "Condition A or B".

PAGE 13

TABLE IV, delete entirely.

PAGE 15

4.4.3, delete and substitute the following:

"4.4.3 Group C inspection. Group C inspection shall be performed in accordance with table V of MIL-S-19500 except that it may be performed at an interval which is established by the production and shipment of 300 or fewer units since the previous QCI. It shall be completed prior to the production and shipment of 500 units. Electrical measurements (end-points) and delta requirements shall be in accordance with the applicable steps of table V herein."

6.2, delete and substitute the following:

"6.2 Acquisition requirements. Acquisition documents must specify the following:

- a. Issue of DODISS to be cited in the solicitation.
- b. Lead finish as specified (see 3.3.1).
- c. Type designation and quality (JAN) level."

6.3, delete and substitute the following.

"6.3 Structural identity. For the purpose of Quality Conformance Inspection the MIL-S 19500/440 (JANTX2N5927) and the MIL-S-19500/447 (JANTX2N5926) are considered to be structurally identical."

CONCLUDING MATERIAL

Custodian:
Army - ER

Review activity:
DLA - ES

Preparing activity:
Army - ER

Agent:
DLA - ES

(Project 5961-A102)